ECS Configuration (nange Request				Page 1 o	T Pa	ge(s)		
1. Originator	2. Log Date:	3. CCR #:		4. Rev:	5. Tel:	6. Rm #:	7. Dept.		
Henry Baez	OS OCTOO	00-0	980	Hev:	925-1025	2101D	SED		
8. CCR Title: Install test exe	cutable to fix telnetd daen	non security b	ug on IP	IX 6.2	and 6.5.x machine	os.			
9. Originator Signature/Date Levy Bus 10/4/2000			11000	Class 11. Type: 12. Need Date: 10			ə: 10-10-2000		
13. Office Manager Signature/Date Randy Hayres 10/4/2000				14. Category of C Initial ECS Baseline		15. Priority: (If "Emergency" fill in Block 28). Emergency			
16. Documentation/Drawin 9//- 76A-004, 9//	gs Impacted: -TDA-005, 920-		17. Sche mpact:	dule	18. Cl(s) /	Affected:			
19. Release Affected by this Change: 20. Date due			to Customer: 21. Estimal None - Unde						
22. Source Reference: ECSed28075, SGI Secuirty		tion Item P, Septemeber			GSFC □Other				
23. Problem: (use addition SGI reported that exploitable user account on the venerable exploited remotely over an unaction Attach are the SGI Security	buffer overflow has been ble systems is not required n-trusted network.	discovered in in order to ex							
24. Proposed Solution: (u SGI has released a patch for other SGI software product of SG0004050' for IRIX 6.2 system patch4060.tar = 1448936590 25. Alternate Solution: (u Turn off telnet services for all logging in on the system con	r IRIX 6.2 and 6.5.X to fix to fix the minimost form of the stems and 'install patch SG 0 40960 patch4050.ts additional sheets if nell SGI platforms will preven	this exploitable software instance instance instance in software instance in software instance in software instance in software in softwar	tallation t IRIX 6.5 620 120	ools. A .x syste 8320	At the Inst> propm ams.	pt, type 'install p	atch		
26. Consequences if Chan Any SGI machine that can b SGI machine that is root con	nge(s) are not approved: e access from outside EC	S space can b	e exploi	ted and	compromise with	very harmful res could be impacte	suits. One ad severely.		
27. Justification for Emerg A large number of NASA any ECS SGI that is conn	systems have already be	een compror	mised.	This pa	atch needs to be	installed imme	diately on		
28. Site(s) Affected:	EDF PVC VATC	⊠EDC [☐Other	⊠ GSF0	001.00000	The attacked which		□JPL		
29. Board Comments: NCR MUST be Me	oved to "V" so	took		30.	Work Assigned	To: 31. CCR	Closed Date:		
32. EDF/SCDV CCB Chair	16/4/00 ERE	3			Com. Disapprove				
33. M&O CCB Chair (Sign	/Date): Di	sposition: A	pproved wd/ECS	App/C		ed Withdraw P	2702841343577811274		
34. ECS CCB Chair (Sign/	Date): Dis	position: Ap	oproved	App/C	om. Disapprov	ed Withdraw F	wd/ESDIS		

OP. 1

CM01JA00

ECS/EDF/SCDV/M&O

SGI Security Advisory

Title: IRIX telnetd vulnerability

Number: 20000801-02-P Date: September 12, 2000

SGI provides this information freely to the SGI user community for its consideration, interpretation, implementation and use. SGI recommends that this information be acted upon as soon as possible.

SGI provides the information in this Security Advisory on an "AS-IS" basis only, and disclaims all warranties with respect thereto, express, implied or otherwise, including, without limitation, any warranty of merchantability or fitness for a particular purpose. In no event shall SGI be liable for any loss of profits, loss of business, loss of data or for any indirect, special, exemplary, incidental or consequential damages of any kind arising from your use of, failure to use or improper use of any of the instructions or information in this Security Advisory.

- --- Update Info ---

Due to a patch packaging error, patch 4044 required an unnecessary reboot after installation of the patch. Patch 4060 has been released which has the same telnetd binary fix, but the patch has been marked not to require a reboot after installation.

If you have installed patch 4044 and rebooted, there is no need to install patch 4060.

The SGI patch server sites are being updated to provide only the corrected packaged patch 4060.

The checksums below have been updated to reflect the current packaged patch 4060 values.

- --- Issue Specifics ---

The Last Stage of Delirium Group (http://lsd-pl.net/) has reported via BUGTRAQ that an exploitable buffer overflow has been discovered in telnetd daemon which can lead to a root compromise.

SGI has investigated the issue and recommends the following steps for neutralizing the exposure. It is HIGHLY RECOMMENDED that these measures be implemented on ALL vulnerable SGI systems. This issue will be corrected in future releases of IRIX.

- --- Impact ---

The telnetd daemon is installed by default on IRIX.

A local user account on the vulnerable system is not required in order to exploit telnetd daemon. The telnetd daemon can be exploited remotely

over an untrusted network.

The exploitable buffer overflow vulnerability can lead to a root compromise.

This telnetd buffer overflow vulnerability was reported by LSD on BUGTRAQ: http://msgs.securepoint.com/cgi-bin/get/bugtraq0008/152.html http://lsd-pl.net/files/get?IRIX/irx_telnetd

This telnetd vulnerability has been publicly discussed in Usenet newsgroups and mailing lists.

```
- --- Temporary Solution ---
```

Although patches are available for this issue, it is realized that there may be situations where installing the patches immediately may not be possible.

The steps below can be used to disable the telnetd daemon to prevent exploitation of this vulnerability until patches can be installed.

```
**** NOTE ****
```

Disabling telnetd daemon will disable the telnet service.

1) Become the root user on the system.

```
% /bin/su -
Password:
```

2) Edit the file /etc/inetd.conf (for IRIX 5.3 and lower, edit /usr/etc/inetd.conf) with your favorite text editor. Place a "#" as the first character of the line to comment out and deactivate the telnetd daemon.

vi /etc/inetd.conf

(Find the following line)

telnet stream tcp nowait root /usr/etc/telnetd telnetd

(Place a "#" as the first character of the telnet line)

#telnet stream tcp nowait root /usr/etc/telnetd telnetd

(Save the file)

- 3) Force inetd to re-read the configuration file.
 - # /etc/killall -HUP inetd
- 4) Kill any existing telnetd process.
 - # /etc/killall telnetd
- 5) Return to previous level.

exit

- --- Solution ---

OS Version	Vulnerable?	Patch #	Other Actions			
IRIX 3.x	unknown		Note 1			
IRIX 4.x	unknown		Note 1			
IRIX 5.0.x	unknown		Note 1			
IRIX 5.1.x	unknown		Note 1			
IRIX 5.2	yes	not avail	Note 1	å	3	
IRIX 5.3	yes	in progress	Note 1	δε	3	
IRIX 6.0.x	yes	not avail	Note 1	Se.	3	
IRIX 6.1	yes	not avail	Note 1	ű.	3	
IRIX 6.2	yes	4050	Note 2	E.	3	
IRIX 6.3	yes	in progress	Note 1	ĥ.	3	
IRIX 6.4	yes	in progress	Note 1	ű.	3	
IRIX 6.5	yes	4060	Note 3	Ec.	4	
IRIX 6.5.1	yes	4060	Note 3	δε	4	
IRIX 6.5.2	yes	4060	Note 3	te	4	
IRIX 6.5.3	yes	4060	Note 3	δc.	4	
IRIX 6.5.4	yes	4060	Note 3	ŝ.	4	
IRIX 6.5.5	yes	4060	Note 3	őc	4	
IRIX 6.5.6	yes	4060	Note 3	8	4	
IRIX 6.5.7	yes	4060	Note 3	δe	4	
IRIX 6.5.8	yes	4060	Note 3	δ	4	
IRIX 6.5.9	yes	4060	Note 3	δε	4	
IRIX 6.5.10	no		Note 5			

NOTES

- This version of the IRIX operating has been retired. Upgrade to an actively supported IRIX operating system. See http://support.sgi.com/irix/news/index.html#policy for more information.
- 2) This version of the IRIX operating system is in maintenance mode. Upgrade to an actively supported IRIX operating system. See http://support.sgi.com/irix/news/index.html*policy for more information.
- 3) See "Temporary Solution" section.
- 4) If you have not received an IRIX 6.5.X CD for IRIX 6.5, contact your SGI Support Provider or download the IRIX 6.5.X Maintenance Release Stream from http://support.sgi.com/ or ftp://patches.sgi.com/support/relstream/
- 5) IRIX 6.5.10 is scheduled to be released in the October time-frame.

Patches are available via the web, anonymous FTP and from your SGI service/support provider.

SGI Security Advisories can be found at: http://www.sgi.com/support/security/ and ftp://sgigate.sgi.com/security/

SGI Security Patches can be found at: http://www.sgi.com/support/security/ and ftp://sgigate.sgi.com/patches/ SGI patches for IRIX can be found at the following patch servers: http://support.sgi.com/irix/ and ftp://patches.sgi.com/

SGI freeware updates for IRIX can be found at: http://freeware.sgi.com/

SGI fixes for SGI open sourced code can be found on: http://oss.sgi.com/projects/

SGI patches and RPMs for Linux can be found at: http://support.sgi.com/linux/ and click on patches link or http://oss.sgi.com/projects/sgilinux-combined/download/security-fixes/

SGI patches for Windows NT or 2000 can be found at: http://support.sgi.com/nt/

IRIX 5.2-6.4 Recommended/Required Patch Sets can be found at: http://support.sgi.com/irix/ and ftp://patches.sgi.com/support/patchset/

IRIX 6.5 Maintenance Release Streams can be found at: http://support.sgi.com/irix/ and ftp://patches.sgi.com/support/relstream/

The primary SGI anonymous FTP site for security information and patches is sgigate.sgi.com (204.94.209.1). Security information and patches can be found in the ~ftp/security and ~ftp/patches directories, respectively.

For security and patch management reasons, ftp.sgi.com (mirror of sgigate) lags behind and does not do a real-time update of ~ftp/security and ~ftp/patches

1D9727E9EAC3F52D56F2EC7F481D5C73

Patch File Checksums

The actual patch will be a tar file containing the following files:

Filename: patchSG0004050
Algorithm #1 (sum -r): 29875 17 patchSG0004050
Algorithm #2 (sum): 63516 17 patchSG0004050
MD5 checksum: C40B2DE50608C0A6C79C2167116FF76E

Filename: patchSG0004050.eoe_man
Algorithm #1 (sum -r): 60740 74 patchSG0004050.eoe_man
Algorithm #2 (sum): 15611 74 patchSG0004050.eoe_man
MD5 checksum: C45B59724AC5F81F5960BE78104A6B9E

Filename: patchSG0004050.eoe_sw
Algorithm #1 (sum -r): 47453 1976 patchSG0004050.eoe_sw
Algorithm #2 (sum): 46187 1976 patchSG0004050.eoe_sw

Filename: patchSG0004050.eoe_sw64
Algorithm #1 (sum -r): 49580 104 patchSG0004050.eoe_sw64

Algorithm #2 (sum): 38983 104 patchSG0004050.eoe_sw64 MD5 checksum: 65A02D0562E0F41752363927E3CBC7F4

Filename: patchSG0004050.idb

Algorithm #1 (sum -r): 55544 16 patchSG0004050.idb

Algorithm #2 (sum): 31605 16 patchSG0004050.idb

MD5 checksum: 143E7D4B9E38E604A4F35D504FCAFF28

Filename: patchSG0004050.netman_data_man
Algorithm #1 (sum -r): 56900 15 patchSG0004050.netman_data_man
Algorithm #2 (sum): 58999 15 patchSG0004050.netman_data_man
MD5 checksum: 42BEB35E700813967F637E9BB0640385

Filename: patchSG0004050.nfs_man

MD5 checksum:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: 05186 17 patchSG0004050.nfs_man 21113 17 patchSG0004050.nfs_man F090E7476C01DC64F12F3A094EFAD64B

Filename:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: patchSG0004050.nfs_sw 48229 83 patchSG0004050.nfs_sw 63547 83 patchSG0004050.nfs_sw 093B835EDC966A30980D914149BED1F0

Filename:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: README.patch.4060 25834 8 README.patch.4060 56040 8 README.patch.4060 3933F2BD23E7938470897FB7A41A2ABA

Filename:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: patchsG0004060 04186 3 patchsG0004060 43387 3 patchsG0004060 8C75989D7B115A2331C9BA1BC7050A6A

Filename:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: patchSG0004060.eoe_sw 45231 59 patchSG0004060.eoe_sw 33048 59 patchSG0004060.eoe_sw 3405CD896D8988610F25B92D1B30C252

Filename:

Algorithm #1 (sum -r): Algorithm #2 (sum): MD5 checksum: patchsG0004060.idb 53422 1 patchsG0004060.idb 34568 1 patchsG0004060.idb

283FE372DC8359C7AA87EC00F9BEA48A

- --- Acknowledgments ----

SGI wishes to thank the users of the Internet Community at large for their assistance in this matter.

- --- SGI Security Information/Contacts ---

If there are questions about this document, email can be sent to cse-security-alert@sgi.com.

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SGI provides security information and patches for use by the entire SGI community. This information is freely available to any person needing the information and is available via anonymous FTP and the Web.

The primary SGI anonymous PTP site for security information and patches is sgigate.sgi.com (204.94.209.1). Security information and patches are located under the directories -ftp/security and ~ftp/patches, respectively.

The SGI Security Headquarters Web page is accessible at the URL: http://www.sgi.com/support/security/

For issues with the patches on the FTP sites, email can be sent to cse-security-alert@sgi.com.

For assistance obtaining or working with security patches, please contact your SGI support provider.

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SGI provides a free security mailing list service called wiretap and encourages interested parties to self-subscribe to receive (via email) all SGI Security Advisories when they are released. Subscribing to the mailing list can be done via the Web (http://www.sgi.com/support/security/wiretap.html) or by sending email to SGI as outlined below.

% mail wiretap-request9sgi.com subscribe wiretap <YourEmailAddress> end ^d

In the example above, <YourEmailAddress> is the email address that you wish the mailing list information sent to. The word end must be on a separate line to indicate the end of the body of the message. The control-d (^d) is used to indicate to the mail program that you are finished composing the mail message.

SGI provides a comprehensive customer World Wide Web site. This site is located at http://www.sgi.com/support/security/ .

For reporting *NEW* SGI security issues, email can be sent to security-alert@sgi.com or contact your SGI support provider. A support contract is not required for submitting a security report.

This information is provided freely to all interested parties and may be redistributed provided that it is not altered in any way, SGI is appropriately credited and the document retains and includes its valid PGP signature.

----BEGIN PGP SIGNATURE-----Version: 2.6.2

iQCVAwUBOb61p7Q4cFApAP75AQEMWgP/SMb3S601dsJ+B/M9pH7BZcS7zzYwpXvG g/SA6CR2PD3h71wyc1BPWjv89Gft5/LNvAv/1+JeXddme+9a9i9CiFDxBH1pV+5q NyOLKq4442HEF/WucsSrparatYXcBhPs2npUp1KuZ7rvg1i03bee5eI8XgqqsPJ7 Pe+WEXaihag=

=zTLq

----END PGP SIGNATURE----